

Title (en)
MOORING METHOD FOR AN AIRSHIP

Title (de)
LANDUNGS- UND ANLEGEVERFAHREN FÜR EIN LUFTSCHIFF

Title (fr)
PROCÉDÉ D'ATTERRISSAGE ET D'AMARRAGE POUR UN BALLON DIRIGEABLE

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Application
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Abstract (en)
[origin: WO2013011241A1] The present invention relates to an air vehicle such as an airship, which has a rounded top portion, and the bottom portion of which has a substantially planar shape (711), specifically consisting of a region which has a smaller inclination, which is referred to as a bottom surface (S2), and the surface area of which is larger or even much larger than that of the intermediate region having a greater inclination, referred to as an intermediate surface (S1). Said general shape produces, due to relative wind (69), a resulting overall downward force (67) near the ground. According to the invention, said vehicle also includes a device for anchoring same to the ground (722), said anchoring device being stationary or controllable from said vehicle, located at the front portion of said vehicle, and projecting downward, in particular a ram (722, 9) including a portion (921, 922) which can be expanded by applying a bar (924) against a translatably movable shoulder (923). The invention also relates to a landing method implementing such a vehicle. Said method involves, as a result of the downward force (67) with compensation (65) by maintaining a nose-up attitude (T711), downward flight until a rear portion (730) of the vehicle makes contact with the ground, followed by reducing the nose-up angle until the anchoring device makes contact with the ground, in particular with a ram (722, 9) sinking into the ground. Preferably, the method also includes docking, in particular by means of an expandable ram (9), while the vehicle is applied against the ground due to the downward force.

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